



217/782-2113

CONSTRUCTION PERMIT

PERMITTEE

Meyer Steel Drum, Inc.
Attn: William Meyer, Sr.
3201 South Millard Avenue
Chicago, Illinois 60623

IEPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

OCT 30 2012

REVIEWER [Signature]

Application No.: 91040073

I.D. No.: 031600APY

Applicant's Designation: DRP I

Date Received: April 24, 1991

Subject: Drum Reclamation Process

Date Issued: June 10, 1991

Location: 3201 South Millard Avenue, Chicago

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of Winterbrother furnace with an afterburner as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. Emissions and operation of equipment shall not exceed the following limits:

Emission Source	PM		NOX		OM	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Drum furnace w/afterburner	0.84	1.3	1.43	2.1	0.84	1.3

Nitrogen Oxide (NOx) emissions are based on the standard emission factor for natural gas, the maximum combined total firing rate, drum furnace and afterburners (15.0 MMBTU/hr) and the maximum hours of operation (3000 hr/yr) indicated in the permit application.

Particulate matter (PM) emissions and organic material (OM) emissions are based on the information indicated in the permit application which is based on standard emission factors and a maximum of 480 drums per hour, and will be revised upon completion of a stack test pursuant to special condition #3(c). Compliance with annual limits shall be determined from a running total of 12 months of data.

- 2a. Upon completion of start-up and achievement of normal operation, the afterburner combustion chamber shall be preheated to the manufacturer's recommended temperature but not lower than 1400 degrees F, before the drum reclaiming process is begun; this temperature shall be maintained during the drum reclaiming process.



- b. The afterburner shall be equipped with a continuous temperature indicator and recorder or disk storage for the afterburner combustion chamber temperature. The permittee shall retain all records of equipment operation and strip charts or disk storage for at least one year from the date of occurrence. These records shall be available for inspection by the Agency.
- 3a. The drum reclaiming furnace with afterburner may be operated for a period of 180 days under this Construction Permit.
- b. The drum reclaiming shall not begin operation until construction, including construction of any air pollution control equipment, is complete, and reasonable measures short of actual operation have been taken to verify proper operation.
- c. Within 30 days of initial startup, the particulate matter (PM) and organic material (OM) emissions of the drum reclaiming furnace with afterburner shall be measured by an approved testing service, during conditions which are representative of maximum emissions.
- d. The following methods and procedures shall be used for testing of emissions, unless another method is approved by the Agency: Refer to 40 CFR 60, Appendix A and 40 CFR 61, Appendix B for USEPA test methods.

Location of Sample Points Gas Flow and Velocity	USEPA Method 1 USEPA Method 2
Particulate Matter	USEPA Method 5
Volatile Organic Material	USEPA Method 18, 25 or 25A

- e. Prior to carrying out these tests, the Agency's regional office and the Agency's Source Emission Test Specialist shall be notified a minimum of thirty (30) days prior to the expected date of these tests and further notified a minimum of five (5) working days prior to the test of the exact date, time and place of these tests, to enable the Agency to witness these tests.

Illinois Environmental Protection Agency
Division of Air Pollution Control - Regional Office
The Intercontinental Center
1701 First Avenue
Maywood, Illinois 60153

Illinois Environmental Protection Agency
Attn: Source Emission Test Specialist
Division of Air Pollution Control
Intercontinental Center
1701 First Avenue
Maywood, Illinois 60153



- f. Three (3) copies of the Final Report(s) for these tests shall be submitted to the Agency within 14 days after the test results are compiled and finalized, prior to or accompanying the operating permit application. Satisfactory completion of these tests and compliance with the limitations of this permit shall be a prerequisite to the issuance of an operating permit.
- g. A copy of the Summary of Results, General Information, and Conclusions, as contained in the Final Report, shall also be submitted to the Source Emission Test Specialist.
- h. 45 days after completion of sampling, the Final Report shall include as a minimum:
 - i. A summary of results
 - ii. General information
 - iii. Description of test method(s), including description of sampling points, sampling train, analysis equipment, and test schedule
 - iv. Detailed description of test conditions, including
 - a. Process information, i.e., mode(s) of operation, process rate, e.g. fuel or raw material consumption
 - b. Control equipment information, i.e., equipment condition and operating parameters during testing, and
 - c. A discussion of any preparatory actions taken, i.e., inspections, maintenance and repair
 - v. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration
 - vi. An explanation of any discrepancies among individual tests or anomalous data

It should be noted that pursuant to the Division of Land Pollution Control (DLPC) the following requirements needs to be fulfilled.

- DLPC needs to have a copy of Meyer Steel Drum acceptance procedure;
- If drums are not RCRA empty, a Part B permit will be required to store and treat drums;
- If drums are RCRA empty pursuant to 35 Ill. Adm. Code 721.107, but have not been triple rinsed, this facility will require a state operating permit to treat these drums (special waste);



Page 4

- If all drums received at this site are triple rinsed prior to shipment, no permit would be required from DLPC.

If any questions concerning the requirements from DLPC, please contact Ted Dragovich at 217/782-6762.

Please note that this permit has been reviewed according to applicable state law and regulations. However, the U.S. Environmental Protection Agency has promulgated an extensive set of regulations for the control of a variety of sources of volatile organic compounds (VOC) in the six-county Chicago metropolitan area (Cook, DuPage, Kane, Lake, McHenry and Will County), 55 Federal Register 26814-26909 (June 29, 1990). These federal regulations have a compliance date of July 1, 1991, and may be applicable to your plant.

A handwritten signature in black ink, appearing to read "B. Mathur, P.E."

Bharat Mathur, P.E.
Acting Manager, Permit Section
Division of Air Pollution Control

BM:JSN:jab/340M/44-47

cc: Region 1
Lawrence Eastep; DLPC
Ted Dragovich; DLPC